

In the claims:

Claims 45-55, 57, 60, and 62-69 (Cancelled)

70. (New) A method of replicating electronic messages between a messaging server and a plurality of wireless mobile communication devices using a software program, comprising the steps of:

CI receiving the electronic messages at the messaging server and storing the electronic messages in a message store having a plurality of mailboxes, wherein each of the plurality of wireless mobile communication devices is associated with at least one of the plurality of mailboxes; and

without receiving a request to download the received electronic messages at the messaging server, continuously pushing the received electronic messages from the mailboxes associated with each of the wireless mobile communication devices to the wireless mobile communication devices, wherein the continuously pushing step includes the steps of:

(A) for each of the wireless mobile communication devices, the software program registering with a software interface associated with the messaging server to receive a notification signal when a new received electronic message is received and stored in an associated mailbox;

(B) upon receipt of the notification signal for each of the new received electronic messages, the software program replicating the new message and packaging the replicated new message into an electronic envelope, the electronic envelope including addressing information associated with the wireless mobile communication device;

(C) transmitting via a TCP/IP connection the electronic envelope from the software program to a wireless gateway computer system via a wired network, the wireless gateway computer system coupling the wired network to a wireless network;

(D) receiving the electronic envelope at the wireless gateway and using the addressing information contained within the electronic envelope in order to send the replicated new message to the wireless mobile communication device via the wireless network; and

(E) receiving the electronic envelope at the wireless mobile communication device, removing the electronic envelope from the replicated new message, and storing the replicated new message at the wireless mobile communication device.

71. (New) The method of claim 70, further comprising the steps of:

the software program compressing the replicated electronic messages prior to placing them into the electronic envelopes; and

maintaining the replicated electronic messages in compressed form until received at the wireless mobile communication device and then decompressing the replicated messages and storing them at the wireless mobile communication device.

72. (New) The method of claim 70, further comprising the step of:

storing a plurality of user profiles for each of the wireless mobile communication devices for use by the software program, the user profiles including a filter list for blocking certain electronic messages from being replicated and transmitted to the wireless mobile communication devices.

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73. (New) The method of claim 72, further comprising the step of:

transmitting a command message from at least one of the wireless mobile communication devices to the software program via the wireless network, wherein the command message adds an electronic message sender to the filter list so that messages from the electronic message sender are blocked from being replicated to the at least one wireless mobile communication device.

74. (New) The method of claim 70, wherein at least one of the electronic messages includes an attachment, further comprising the step of:

determining whether the attachment is of the type that can be received and displayed by a particular wireless mobile communication device, and if so, then replicating the attachment and transmitting the replicated attachment to the wireless mobile communication device via the wireless network, wherein the wireless mobile communication device then receives and stores the replicated attachment.

75. (New) The method of claim 70, further comprising the steps of:

storing an encryption key for each of the wireless mobile communication devices, wherein the encryption keys are accessible to the software program;

encrypting the replicated new messages using the encryption keys prior to packaging them into the electronic envelopes;

wherein the replicated new messages remain in an encrypted state until received at the wireless mobile communication device where the new messages are decrypted.

76. (New) The method of claim 70, further comprising the steps of:

generating electronic messages at the wireless mobile communication devices;

encrypting the generated electronic messages;

packaging the encrypted generated electronic messages into electronic envelopes;

transmitting the electronic envelopes from the wireless mobile communication devices to the wireless gateway computer system and using addressing information contained in the electronic envelopes to route the electronic envelopes from the wireless gateway computer system to the software program via a TCP/IP connection between the wireless gateway computer and the software program;

receiving the electronic envelopes at the software program, removing the electronic envelopes, and decrypting the encrypted generated electronic messages;

storing the generated electronic messages in the mailboxes associated with the wireless mobile communication devices; and

transmitting the electronic messages from the mailboxes to a plurality of message recipients, wherein the electronic messages are addressed as originating from electronic addresses associated with the mailboxes.

77. (New) The method of claim 70, further comprising the steps of:

providing a plurality of desktop computer systems in communication with the messaging server and the software program;

controlling the operation and configuration of the software program using one of the plurality of desktop computer systems.

78. (New) The method of claim 77, further comprising the step of:

each of the plurality of desktop computer systems controlling whether the software program is enabled to carry out the steps (A), (B), and (C).

79. (New) The method of claim 70, further comprising the steps of:

storing calendar data at the plurality of mailboxes for each of the plurality of wireless mobile communication devices; and

without receiving a request to download the calendar data at the messaging server, continuously pushing the calendar data from the mailboxes associated with each of the wireless mobile communication devices to the wireless mobile communication devices, wherein the continuously pushing step includes the steps of:

(A) for each of the wireless mobile communication devices, the software program registering with the software interface associated with the messaging server to receive a notification signal when new calendar data is stored in an associated mailbox;

C (B) upon receipt of the notification signal for the new calendar data, the software program replicating the new calendar data and packaging the replicated new calendar data into an electronic envelope, the electronic envelope including addressing information associated with the wireless mobile communication device;

(C) transmitting via a TCP/IP connection the electronic envelope from the software program to a wireless gateway computer system via a wired network, the wireless gateway computer system coupling the wired network to a wireless network;

(D) receiving the electronic envelope at the wireless gateway and using the addressing information contained within the electronic envelope in order to send the replicated new message to the wireless mobile communication device via the wireless network; and

(E) receiving the electronic envelope at the wireless mobile communication device, removing the electronic envelope from the replicated new calendar data, and storing the replicated new calendar data in the wireless mobile communication device.

80. (New) The method of claim 70, further comprising the steps of:

replicating only a first portion of a received electronic message and transmitting only the replicated first portion of the received electronic message to one of the wireless mobile communication devices;

receiving the replicated first portion at the wireless mobile communication device;

transmitting a command message from the wireless mobile communication device to the software program to replicate and transmit a second portion of the received electronic message to the wireless mobile communication device; and

in response to the command message, the software program replicating and transmitting the second portion of the received electronic mail message to the wireless mobile communication device.

81. (New) The method of claim 70, further comprising the steps of:

transmitting a plurality of triggering commands to the software program, each triggering command being associated with one of the plurality of wireless mobile communication devices and initiating the software program to continuously push the received electronic messages from the mailbox associated with the wireless mobile device to the wireless mobile device.

82. (New) The method of claim 82, wherein the plurality of triggering commands are generated at desktop computer systems coupled to the software program via a local area network.

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84. (New) The method of claim 82, wherein the plurality of triggering commands are generated at the plurality of wireless mobile communication devices.

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85. (New) The method of claim 70, further comprising the step of:

transmitting confirmation signals from the wireless mobile communication devices to the software program to indicate that the replicated electronic messages have been received at the wireless mobile communication devices.